

MATERIAL SAFETY DATA SHEET

MSDS

DATE: 5-5-00

MSDS #: 522188 (w/FE)

NEW [X]

REVISED []

PURSELL INDUSTRIES, INC.

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Birmingham, AL 35242

EMERGENCY PHONE NUMBERS:

PURSELL: 1-800-874-8892

CHEMTREC: 1-800-424-9300

SECTION - I - PRODUCT INFORMATION

PRODUCT NAME: Ultra Vigoro Weed & Feed 31-3-4

PRODUCT NUMBER(s): 522188, 521881

CHEMICAL NAME: *TRIMEC Herbicide, Polymer-coated Urea, Polymer-coated Sulfur-coated Urea, Urea, Diammonium Phosphate, Muriate of Potash, and Ferrous Sulfate

CHEMICAL CLASS: Chlorophenoxy Herbicide /Fertilizer Compound

EPA REGISTRATION NUMBER: 2217-819-8660

NFPA RATING: Health - 2 Flammability - 1 Reactivity - 0 Special - None

NFPA CODES: 0=Least 1=Slight 2=Moderate 3=High 4=Extreme

*TRIMEC® is a registered trademark of PBI/GORDON CORPORATION -

SECTION - II - INGREDIENT INFORMATION

ACTIVE INGREDIENT	CAS NUMBER	PEL	TLV	OTHER	% BY WEIGHT	2,4-
Dichlorophenoxyacetic acid (2,4-D)	94-75-7	10 mg/m ³	10 mg/m ³	NI	NI	0.64
2-(2-Methyl-4-chlorophenoxy)propionic acid (Mecoprop)	93-65-2	NI	NI	NI	NI	0.31
3,6-dichloro-o-anisic acid (Dicamba)	1918-00-9	NI	NI	NI	NI	0.03
INERT INGREDIENTS					99.02	

SECTION - III - PHYSICAL/CHEMICAL CHARACTERISTICS

Boiling Point: NA

Bulk Density: 50 - 52 lbs/ft³

Vapor Pressure (mmHg): NA

Melting Point: NA

Vapor Density (Air =1): NA

Evaporation Rate(Butyl Acetate=1): NA

Solubility in Water: Fertilizer chemicals are water soluble. Polyurethane coating is water insoluble.

Appearance and Odor: Beige, brown, white, yellow, and/or green fertilizer granules. Phenoxy odor and fertilizer salt odor.

SECTION - IV - FIRE AND EXPLOSION HAZARD DATA

Flash Point: NI Flammable Limits: LEL: NI UEL: NI

Extinguishing Media: Water spray, foam, dry chemical, CO₂, sand, or fine earth. Material is essentially non-flammable.

Special Fire Fighting Procedures: Wear full protective clothing and self-contained breathing apparatus. Short term exposure to smoke, fumes, and gases can lead to irreversible lung injury without early signs and symptoms. Use extinguishing media suitable for the surrounding fire.

Unusual Fire and Explosion Hazards: Burning product may produce irritating or poisonous gases. Run-off from fire control area or dilution water may cause pollution. If surface water is contaminated, contact local authorities.

SECTION - V - REACTIVITY DATA

Stability: Stable

Incompatibility (Materials to avoid): Store separately from acids and bases.

Hazardous Decomposition or Byproducts: Thermal degradation may produce: Cyanuric acid, ammonia, biuret, hydrogen cyanide, sulfur oxides, chlorine gas and nitrogen oxides.

Hazardous Polymerization: Will not occur.

SECTION - VI - HEALTH HAZARD DATA

ACUTE AND CHRONIC HEALTH HAZARDS / EMERGENCY AND FIRST AID PROCEDURES

SARA Hazard category: Immediate health hazard.

Route(s) of entry: Inhalation; Ingestion; Contact

Eyes: May cause corneal irritation. If eye contact occurs, flush eyes with running water for 15 minutes, holding lids open for 15 minutes.

Skin: May cause moderate irritation. Remove contaminated clothing. Wash with soap and water.

Inhalation: May cause moderate irritation to the nose, throat, and lungs. If prolonged inhalation of dust occurs, remove to fresh air.

Ingestion: Immediately seek medical assistance. Call a physician. The phone number for the National Poison Control Center is (202) 625-3333. May cause headache, nausea, and vomiting.

Signs and Symptoms of Exposure: Irritation to eyes, skin, or respiratory tract.

Other Health Warnings: Notes to physician: Treat symptomatically. Chlorophenoxy compounds are usually excreted in approximately 72 hours.

SECTION - VII - PRECAUTIONS FOR SAFE HANDLING AND USE

Storage: Store in original container in a locked storage area inaccessible to children and pets. Do not store near feed, seed, or food; other herbicides, fertilizers, or insecticides to prevent cross contamination.

Procedures in case of spill or release: Do not touch spilled material. Wear protective clothing; chemical resistant gloves and shoes, safety glasses or goggles. Use NIOSH/MSHA approved respirator (TC-21C) if exposure levels are high. If materials are uncontaminated, collect, label containers, and reuse as directed on label. Flush contaminated area with water if possible. Empty containers may be disposed of in a licensed sanitary landfill. Do not reuse bag.

Waste Disposal Method: If uncontaminated, use as directed on the label. If contaminated, dispose of in accordance with all Federal, State, and Local laws. Pesticide wastes are toxic. Do not contaminate water supplies.

Other Precautions: Do not use directly on water. Do not apply when weather conditions favor drift from target area. Do not contaminate water supplies when disposing of equipment waste waters.

SECTION - VIII - CONTROL MEASURES

Ventilation Requirements: None required with normal use of this product.

PERSONAL PROTECTIVE EQUIPMENT

Respiratory Protection: None required with normal use of this product.

Protective Clothing: None normally required. Those with unusually sensitive skin should wear long sleeves, pants, and gloves.

Eye Protection: Safety glasses with side shields or goggles are recommended.

SECTION - IX - ADDITIONAL INFORMATION

This product contains pesticides. Pesticide wastes are toxic. Improper disposal of excess pesticide is a violation of Federal Law. If pesticides cannot be used according to label, contact your State or Federal pesticide control agency for guidance.

SECTION - X - SARA TITLE III REQUIREMENTS

Section 302 Extremely Hazardous Substances: No	SARA Hazard Category: Immediate Health Hazard
Section 311/312 Hazardous Substances: Yes (2,4-D)	Carcinogenic Compound(s) (IARC/NTP/OSHA/ACGIH): None
Section 313 Toxic Chemicals: Yes (2,4-D)	Section 304 CERCLA: Yes

OTHER PRECAUTIONS AND COMMENTS

The information in this Material Safety Data Sheet is believed to accurately reflect the scientific evidence used in making the hazard determination. It is considered only as a guide, and not a warranty or representation for which we assume legal responsibility. Independent decisions must be made on the suitability and use of this product dependent on variable storage conditions or locally applicable laws or government regulations. The buyer and user assumes all risk and liability of storage, handling, and use of this product not in accordance with the terms of the product label.

PURSELL INDUSTRIES, INC.

NI=NONE INDICATED

Contact: CUSTOMER SERVICE

NA=NOT APPLICABLE

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